

National University of Computer & Emerging Sciences
Karachi Campus



TITLE: Caesar Cipher

Project Proposal

COAL PROJECT

(Application of Encryption and Decryption)

Section: 3D

Group Members:

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Project Proposal

- **Introduction:**

- *The Project is Based on encryption and Decryption Application which each letter in the “**Plaintext**” is replaced by a **alphabet or symbol** . .*

- **Existing System:**

- *Caesar ciphers can be found today in children's toys such as secret decoder rings*

- **Problem Statement:**

- ❖ *The Caesar Cipher technique is one of the earliest and simplest methods of encryption technique. It's simply a type of substitution cipher, i.e., each letter of a given text is replaced by symbols .*

Example:

🔑 Given the string '**secret**' with key 5 would return '**!\$&+||**'.

SCOPE OF PROJECT:

- *To provide a User friendly environment where user can **Secure** his/her **data** from anyone else*

- **Proposed Solution:**

- *It will generate a strong and unpredictable **cipher text** for user(of **plain text**). So user's data will be secure and users will be safe from hackers.*

- **Salient Features :**

- *Program will ask the information from user which will be*

#Plain Text

- *It will generate a cipher text and will decrypt the Data.*
- ❖ *Plain Text will be collection of characters and (numbers) and the cipher text of this plain text can not understand by any outsider*
- *Cipher text will be kept in encrypted form in the record*
- *Whenever user enter his plain text, the program will generate the cipher text .*
- *After generating the cipher text and its decrypted form , the whole data will be printed on the screen.*

- **Tools & Technologies:**

- *Assembly Language (low Level Language), Visual Studio 2013 Tool on Window.*
- *This can be used to hide the original data from others so can be secure*